

Slide #1

PA Department of Education
Chester County Intermediate Unit
Webinar Series
March 18, 2009



Pennsylvania Students, Teachers & Parents "Speak Up" about Technology and Learning

Julie Evans
Chief Executive Officer
Project Tomorrow



(c) Project Tomorrow 2009

What are the expectations of today's students? How well are schools and districts meeting the needs of these students? What are the important trends in education & technology that we should be discussing today?

Our discussion today:



*What are the expectations
of today's students?*

*How well are schools and districts
meeting the needs of these students?*

*What are the important trends in
education & technology that we should
be discussing today?*



(c) Project Tomorrow 2009

Slide #3

What is Speak Up?



- **Annual national research project**
 - Online surveys + focus groups
 - Open for all K-12 schools
 - Schools/districts get back their own data for planning and budgeting
- **Collect data ← Stimulate conversations**
 - K-12 Students, Teachers, Parents and Administrators
- **Inform policies & programs**
 - Analysis and reporting – national reports, state reports, district reports
 - Services: custom reports, consulting services, webinars
 - NCES back end database – provide statistically significant samplings
- **6 years of empowering authentic voices – since 2003:**
 - 1.3 million K-12 students
 - 103,000 teachers
 - 54,000 parents
 - 6,300 school leaders
 - 18,000 schools – from all 50 states, DC, American military base schools, Canada, Mexico, Australia

1.5 million respondents



(c) Project Tomorrow 2009

Slide #4

Why do schools, districts, states participate?



- To give stakeholders voice in national and state policy
- To collect unique data from stakeholders
 - Benchmark with national and state data
 - To inform programs, policies and purchases
 - High value of having an outside “unbiased guardian” collecting the data
- To support specific initiatives such as online learning, 1:1 programs or new teacher professional development programs
 - To validate direction and approach – pre and post
 - To build support
 - To generate new ideas
- To model for students the value of being part of the national discussion – civic engagement
- To be recognized as innovative and part of a national initiative
- To demonstrate to students, teachers and parents that their ideas are valued by their education leaders



(c) Project Tomorrow 2009

Slide #5

**Speak Up is facilitated annually
by **Project Tomorrow**
(formerly known as NetDay)**



***Project Tomorrow is the nation's
leading education nonprofit
organization dedicated to the
empowerment of stakeholder
voices in education.***



(c) Project Tomorrow 2009

Slide #6

Speak Up 2008 survey question themes



- Learning & Teaching with Technology
- Web 2.0 in Education
- Broadband Access & Policy
- Information and Media Literacy Skills
- Science Instruction & Global Competitiveness
- Emerging Technologies in the Classroom
 - *Mobile Devices*
 - *Online Learning*
 - *Digital Content*
- Designing the 21st Century School



(c) Project Tomorrow 2009

Slide #7

National Speak Up 2008 Participation



✓ K-12 Students	281,500
✓ Teachers	29,644
✓ Parents (in English & Spanish)	21,309
✓ School/District Administrators	3,114
✓ States	All 50
o Top 10: TX, CA, AZ, AL, IL, MD, FL, NC, NE, WI	

About Speak Up Schools:

- 95% public, 3% private, 2% virtual
- 35% urban, 32% suburban, 33% rural
- 45% Title 1 eligible
- 34% majority-minority student population



(c) Project Tomorrow 2009

Slide #8

Release of the Speak Up National Findings



Student, Teacher, Parent & Administrator Data Findings – updated annually

National Data Release

- March 24
- Congressional Briefing
- Washington DC
- Top level findings available online
- Other reports to follow



(c) Project Tomorrow 2009

We would like to recognize our Speak Up 2008 Sponsors:



(c) Project Tomorrow 2009

We would like to also acknowledge the support of our Speak Up 2008 National Champion Outreach Partners:



(c) Project Tomorrow 2009

Slide #11

Speak Up 2008 Data Findings

Pennsylvania students, teachers, & parents



**Activities,
Attitudes & Aspirations**

Disconnects & Differences

Trends & Leverage Points



(c) Project Tomorrow 2009

Slide #12

National Speak Up 2008 Participation Pennsylvania



✓ K-12 Students	4,145
✓ Teachers	500
✓ Parents	721



(c) Project Tomorrow 2009

Slide #13

Key findings from Speak Up 2008 data:



"Digital disconnect" is alive & well:

*the gap between how
today's students learn and
how they live!*



(c) Project Tomorrow 2009

Slide #14

Key findings from Speak Up 2008 data:



"Digital disconnect" is alive & well:

- Between students and teachers
- Between advanced tech students and other students
- Between girls and boys
- Between older and younger students



(c) Project Tomorrow 2009

Slide #15

Let's get to know each other!

Audience Response

How would you assess your own technology skills compared to your peers?

A. Beginner

B. Average

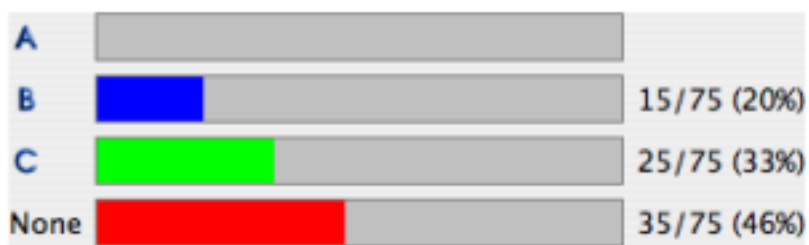
C. Advanced



(c) Project Tomorrow 2009

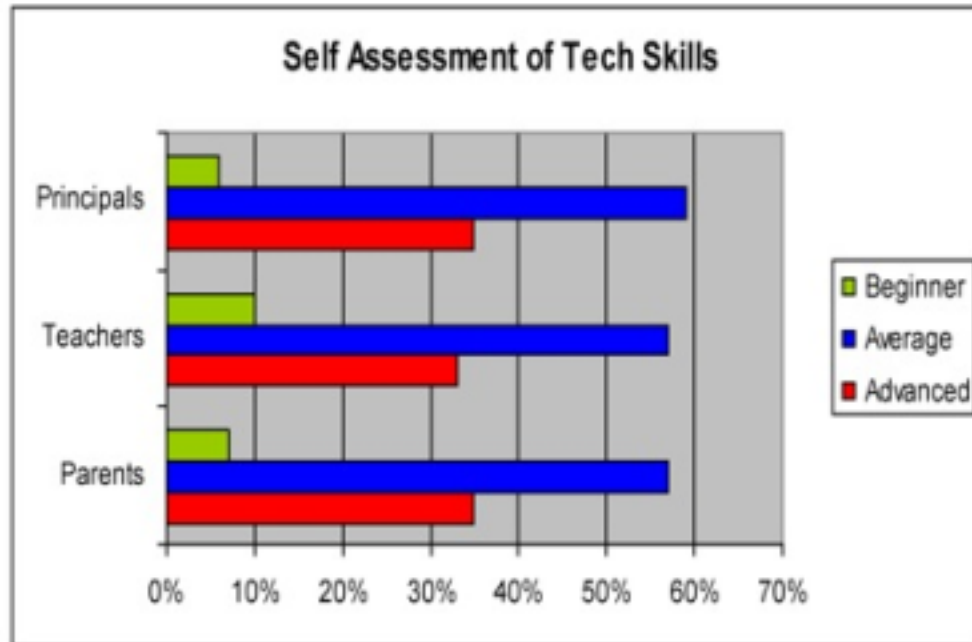
10:48:28 AM

Poll Statistics



Slide #16

Parents, Teachers, Principals: What kind of tech user are you?



(c) Project Tomorrow 2009

Slide #17

Audience Response:

**What % of PA students in grades 6-12
consider themselves “advanced tech users?”**



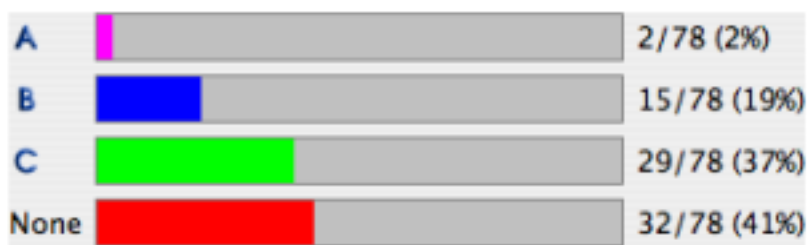
- a. 5%
- b. 25%
- c. 70%



(c) Project Tomorrow 2009

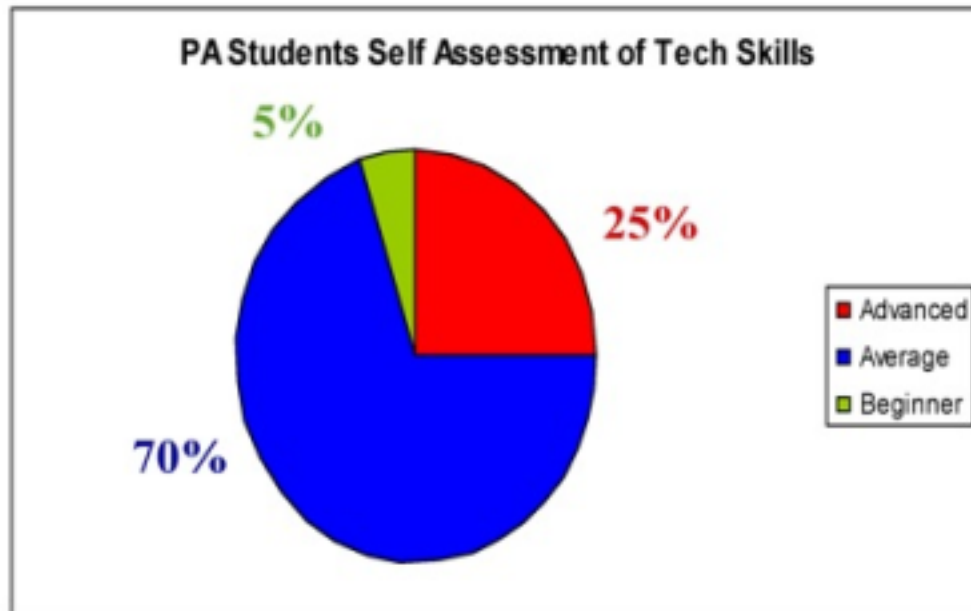
10:48:28 AM

Poll Statistics



Slide #18

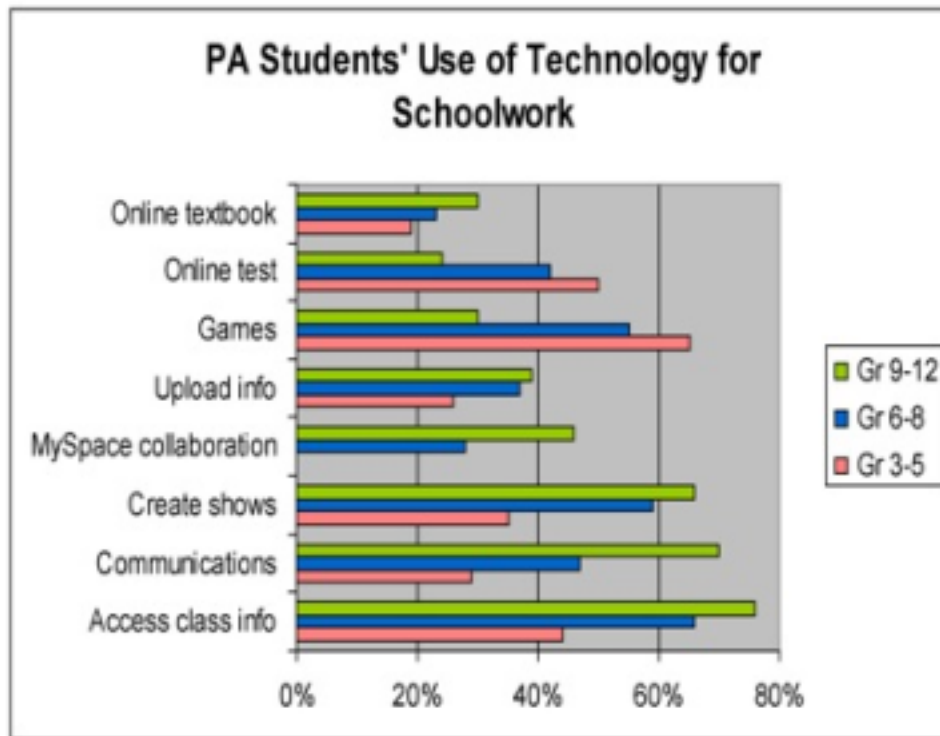
How tech-savvy are today's students?



(c) Project Tomorrow 2009

Slide #19

Besides Internet research and writing assignments, how are **PA students** using technology for schoolwork?



(c) Project Tomorrow 2009

Slide #20

How are **PA teachers** using technology for professional tasks?



Top responses:

Communications	95%
Upload class information	80%
Conduct research	79%
Read text resources online	65%
Create m/m presentations	59%
Create/upload media	58%
Listen/view media	51%



(c) Project Tomorrow 2009

Slide #21

How are **PA teachers** using technology for professional tasks?



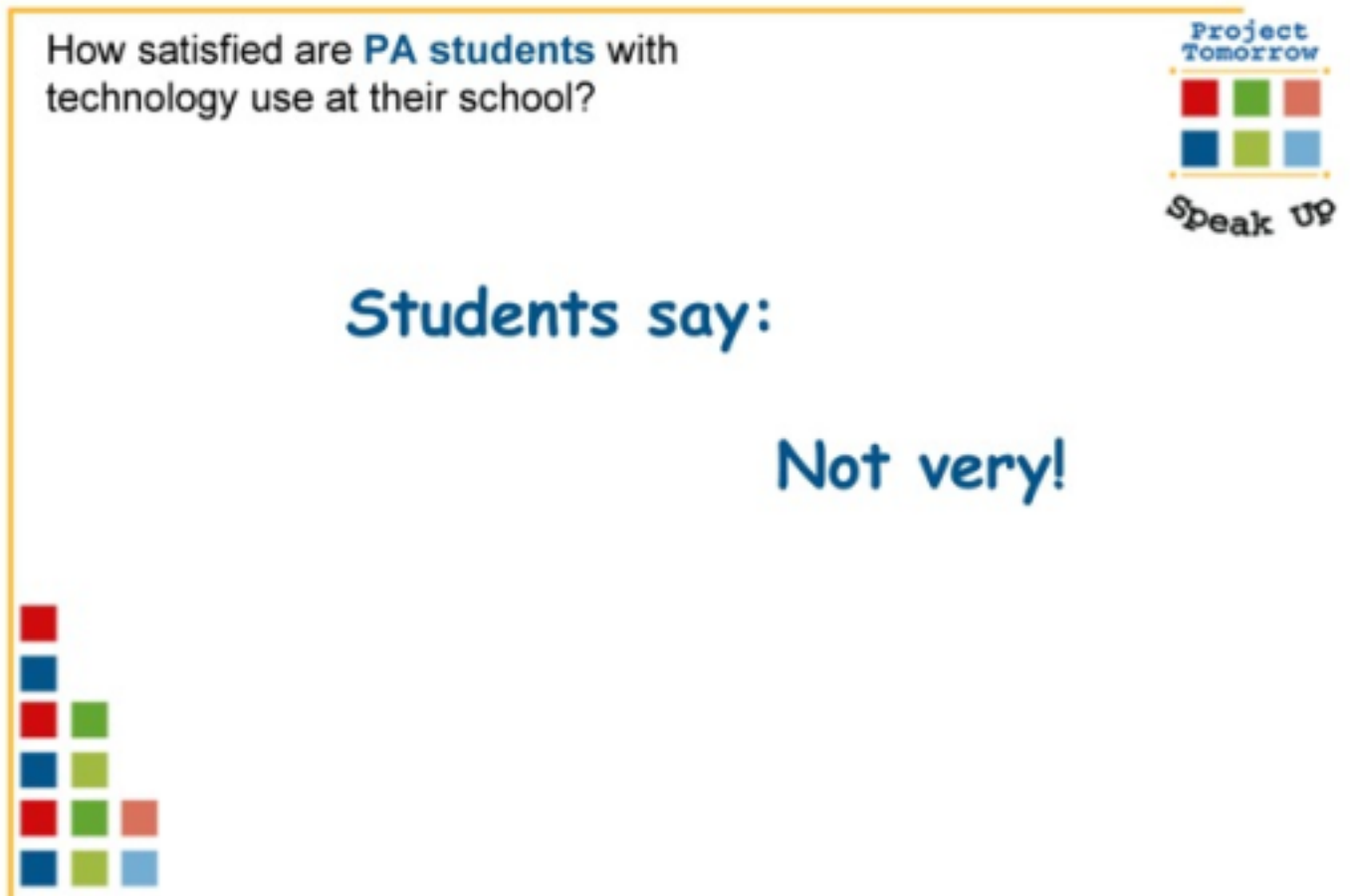
Top responses:

Communications	95%
Upload class information	80%
Conduct research	79%
Read text resources online	65%
Create m/m presentations	59%
Create/upload media	58%
Listen/view media	51%



(c) Project Tomorrow 2009

How satisfied are PA students with technology use at their school?



(c) Project Tomorrow 2009

Slide #23

Besides time, what are the major obstacles **PA students** face using technology at your school?



Top responses:

1. **School filters and firewalls** block websites I need
2. **Teachers** limit our technology use
3. **Too many rules!**
 - Cannot use my own devices
 - Cannot access my communications tools
 - Rules that limit use of my school's technology



(c) Project Tomorrow 2009

Slide #24

Besides time, what are the major obstacles **PA students** face using technology at your school?



Bottom responses:

1. I don't have the skills I need
2. I am unable to access the Internet
3. Software is not good enough
4. Teachers don't know how to use technology



(c) Project Tomorrow 2009

Slide #25

Besides time, what are the major obstacles **PA teachers** face using technology at your school?



Top responses:

1. Internet access is too slow
2. School filters and firewalls block websites I need
3. Computers are not available



(c) Project Tomorrow 2009

Slide #26

How satisfied are **PA parents** will tech use at their child's school?



Rated as acceptable:

1. Internet safety
2. Amount of technology for student use
3. Tech skills my child learns



(c) Project Tomorrow 2009

Slide #27

How satisfied are **PA parents** will tech use at their child's school?



Rated as unacceptable:

1. **Access to information**
2. **Amount of time my child spent using technology**



16% - I don't know what technology is available at my child's school

(c) Project Tomorrow 2009

Slide #28

How schools could make it easier for **PA students** to work electronically?



Top responses from students:

1. Let me use my own laptop, cell phone or mobile device (69%)
2. Give me unlimited Internet access (55%)
3. Let me access my school projects from any computer - home or at school (49%)
4. Provide communications tools (47%)
5. Provide organization tools (41%)



(c) Project Tomorrow 2009

Slide #29

Digital Disconnect:

A new “battleground” with emerging technologies in education

- Mobile devices
- Digital content
- Online learning



(c) Project Tomorrow 2009

Slide #30

Digital Disconnect:

A new “battleground” with emerging technologies in education



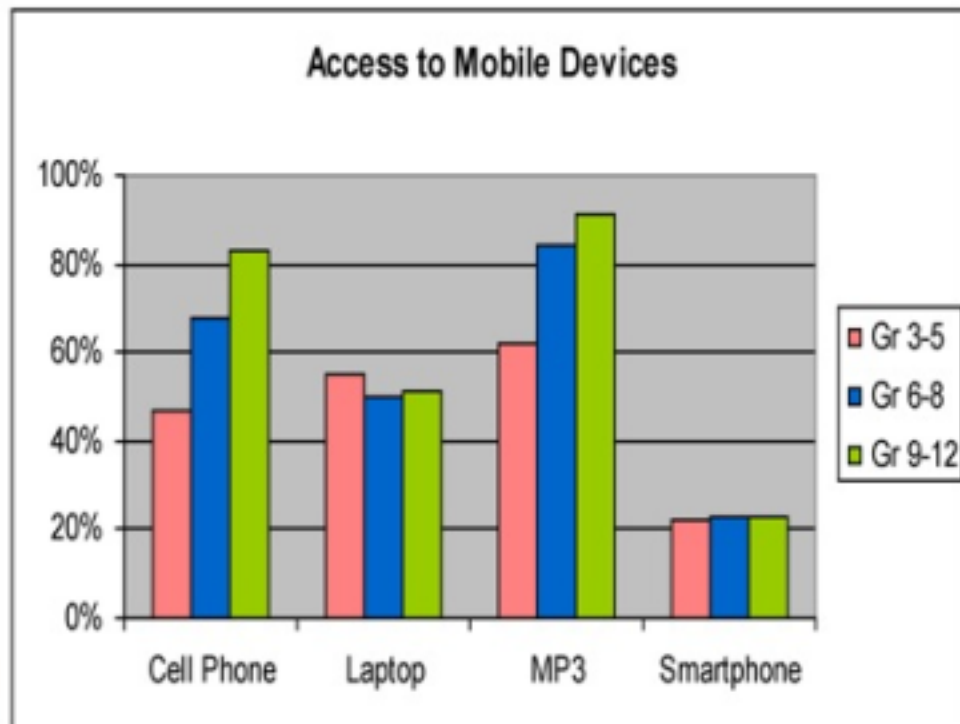
- **Mobile devices**
 - Cell phones
 - Laptops
 - MP3 players
 - Smartphones & PDAs



(c) Project Tomorrow 2009

Slide #31

PA Students: Using Mobile Devices for Learning



(c) Project Tomorrow 2009

Slide #32

How **PA students** want to use mobile devices to support learning



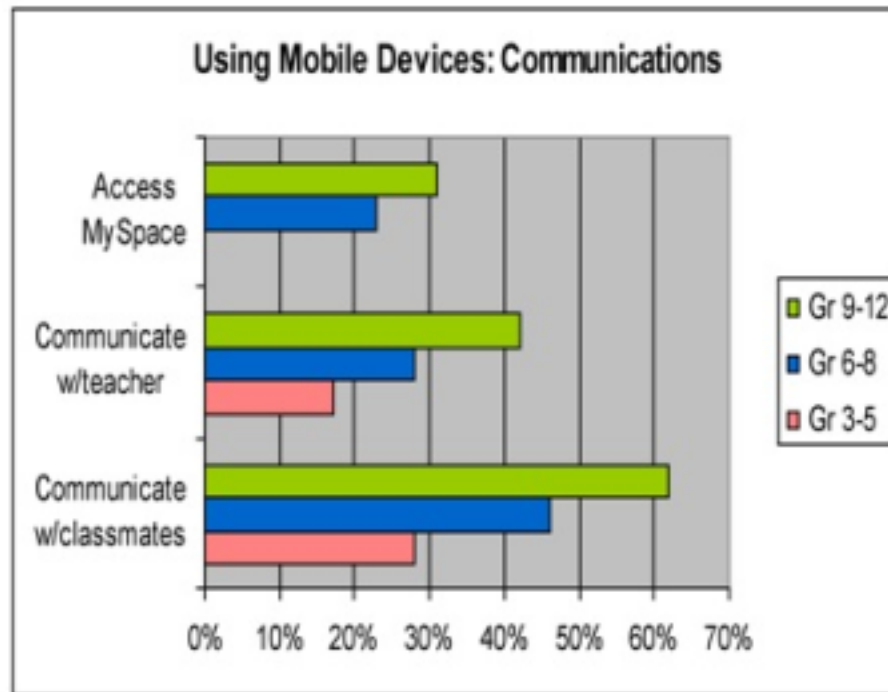
- **Communications**
 - *Email teachers, classmates*
 - *Access personal websites*
- **Collaborations**
 - *Projects and calendars*
- **Creativity**
 - *Create/share documents, videos*
- **Productivity**
 - *Research, downloads, ed games*
 - *Get alerts and reminders*



(c) Project Tomorrow 2009

Slide #33

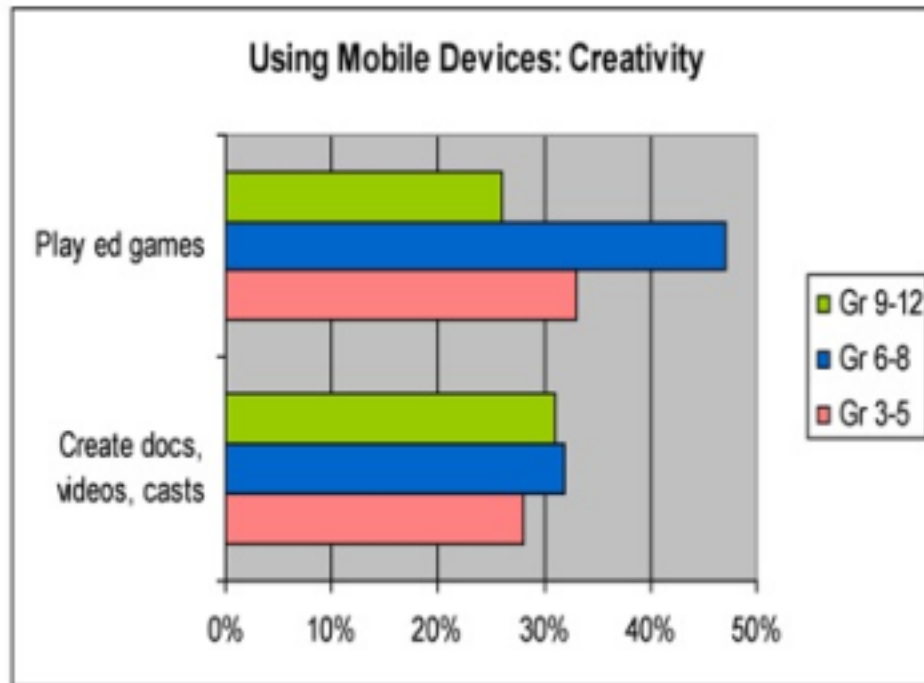
How PA students want to use mobile devices to support learning



(c) Project Tomorrow 2009

Slide #34

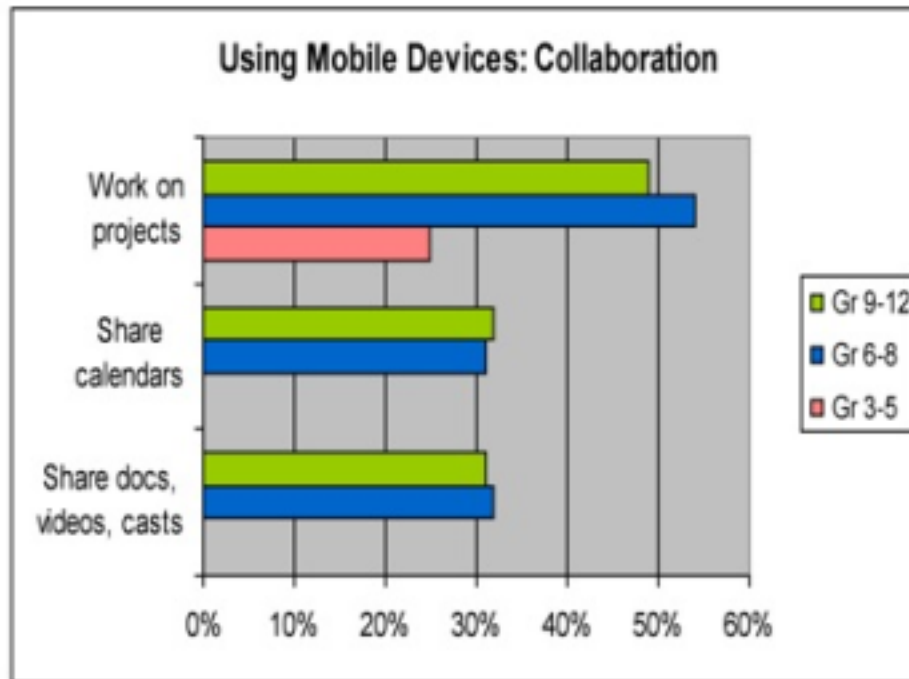
How **PA students** want to use mobile devices to support learning



(c) Project Tomorrow 2009

Slide #35

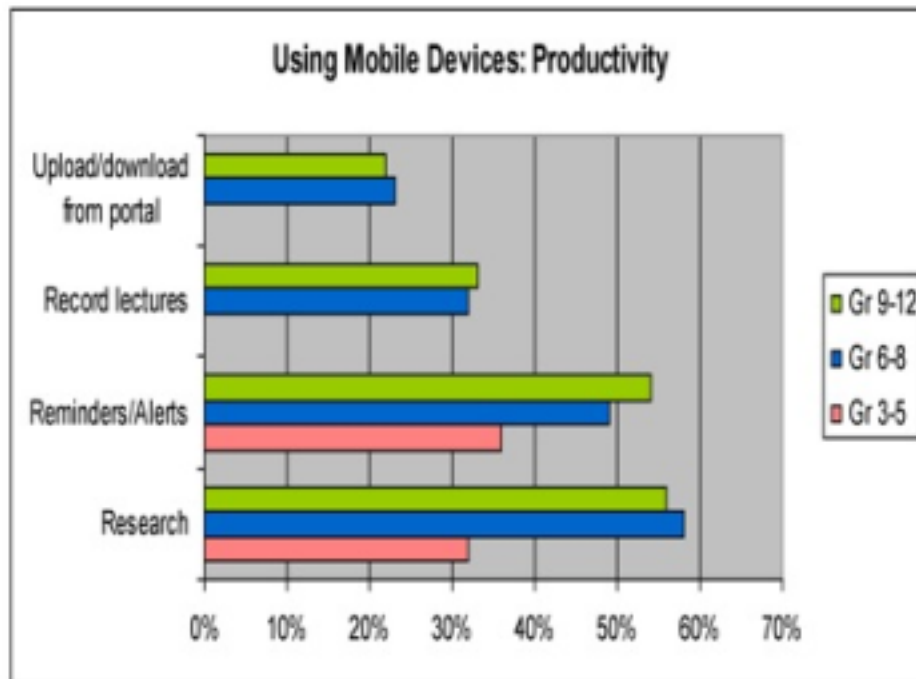
How PA students want to use mobile devices to support learning



(c) Project Tomorrow 2009

Slide #36

How **PA students** want to use mobile devices to support learning



(c) Project Tomorrow 2009

Slide #37

Digital Disconnect:

A new “battleground” with
emerging technologies in education

- Online learning
 - Dedicated online class
 - Blended class
 - On own or through school



(c) Project Tomorrow 2009

Slide #38

Online learning and PA students



Current online learning experience:

14% of PA high school students

19% of PA middle school students



(c) Project Tomorrow 2009

Slide #39

Online learning and **PA students**



Is there interest in taking online classes? **Yes!**

Interest in taking an online class:

- + 33% of high school students
- + 31% of middle school students
- + 14% of students grades 3-5



(c) Project Tomorrow 2009

Slide #40

Audience Response:

What is the #1 reason PA middle school students want to take an online class?



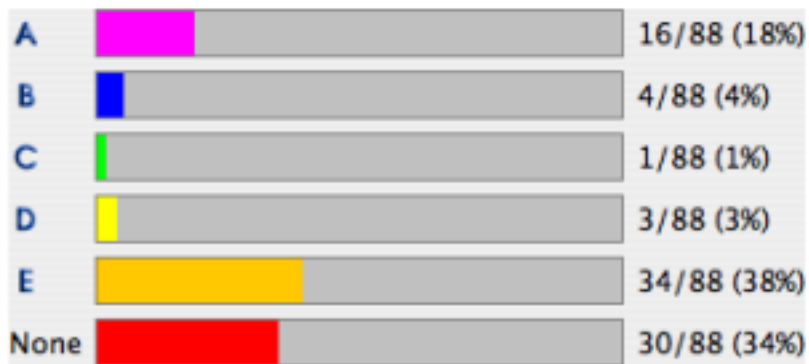
- a. Take class not offered at my school
- b. Get extra help in a subject
- c. Earn college credit
- d. To fit my class schedule
- e. To work at my own pace



(c) Project Tomorrow 2009

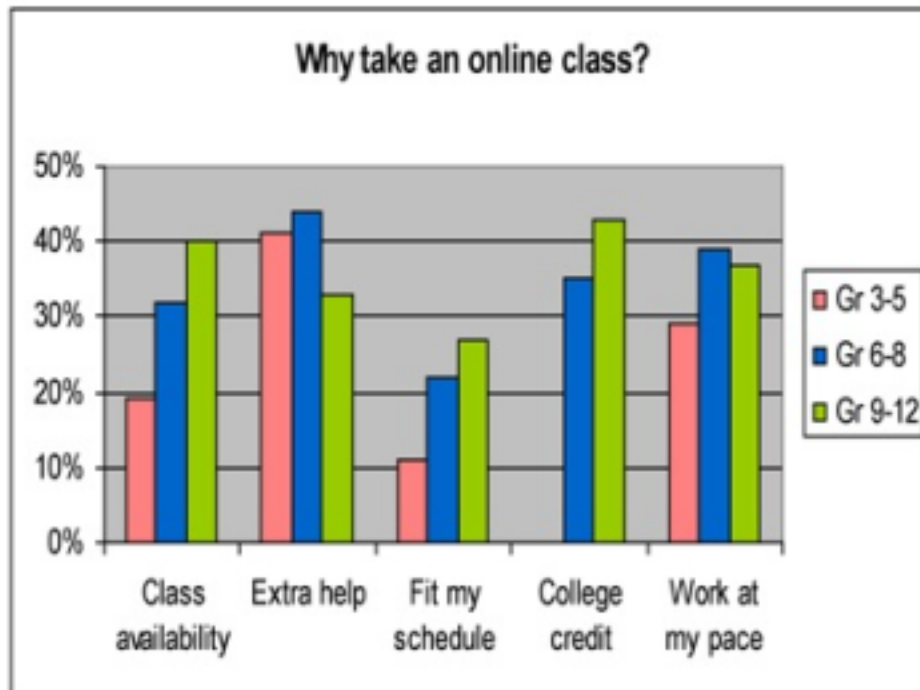
10:48:28 AM

Poll Statistics



Slide #41

What is the #1 reason **PA middle school students** want to take an online class?



(c) Project Tomorrow 2009

Slide #42

How would online classes make school more interesting for **PA middle school students**?



1. In control of my learning (40%)
2. Easier to review class materials (32%)
3. Easier for me to succeed (32%)
4. More comfortable asking questions (31%)
5. More motivated to learn (28%)



(c) Project Tomorrow 2009

Slide #43

PA Teachers and online learning



35% say they have taken an online class for professional development

15% are interested in teaching an online class

26% are interested in using an LMS in their class



(c) Project Tomorrow 2009

Slide #44

PA Teachers and online professional development



Benefits of online professional development:

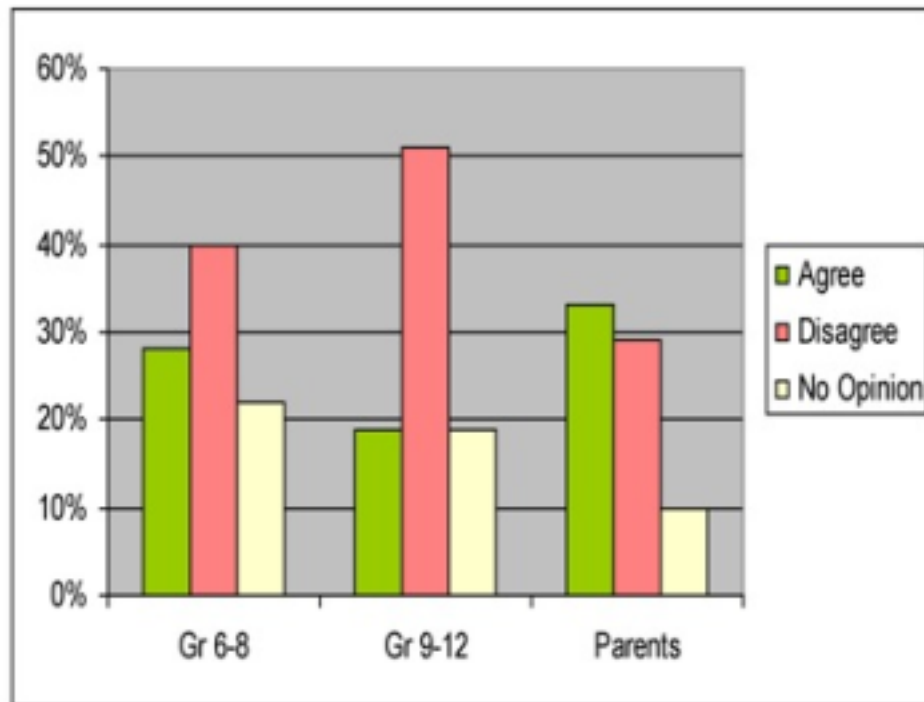
Fits my schedule	56%
Ability to customize learning	41%
Review material as I need them	34%
Saves time	26%



(c) Project Tomorrow 2009

Slide #45

Policy: Online class requirement for high school graduation?



(c) Project Tomorrow 2009

Slide #46

Digital Disconnect:

A new “battleground” with
emerging technologies in education

- Digital Content
 - Designing an online textbook



(c) Project Tomorrow 2009

Slide #47

PA Students design an online textbook**Desired features:**

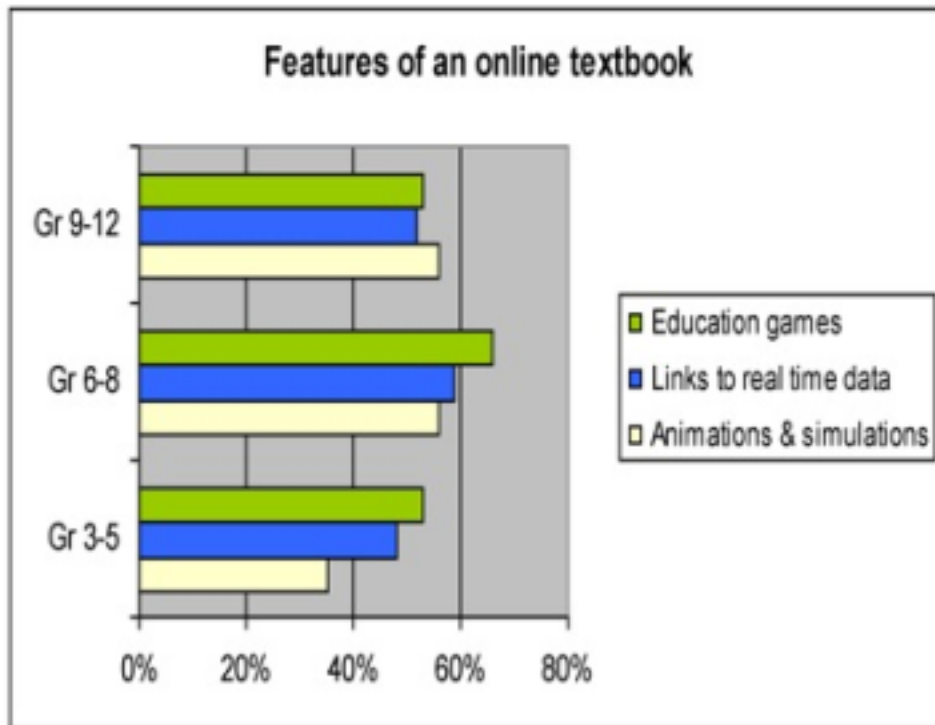
- Electronic note taking and highlighting
- Self assessments
- Links to useful websites and data
- Animations/simulations to explain concepts
- Access to online tutors
- Powerpoint presentations of lectures
- Games to explore concepts/ideas



(c) Project Tomorrow 2009

Slide #48

PA Students design an online textbook



(c) Project Tomorrow 2009

Slide #49

PA Students and science



What activities outside of school increase your interest in science?

Top responses:

Visit science places

Learn about jobs and careers in science

Watch TV shows about science

Play computer games about science

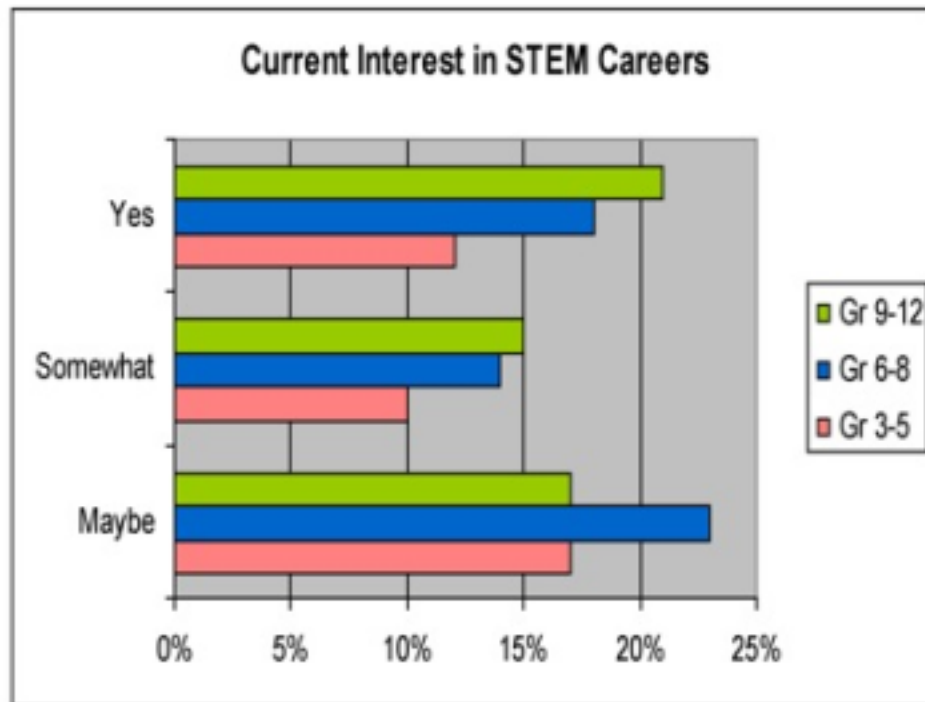
Participate in research projects



(c) Project Tomorrow 2009

Slide #50

PA Students and STEM careers



(c) Project Tomorrow 2009

Slide #51

PA Students and STEM careers

What would increase your interest?

Top responses:

Meet with successful career professionals

College scholarships

Use tools professionals use

Day in the Life podcasts and videos



(c) Project Tomorrow 2009

Slide #52

Is your school doing a good job preparing students for the jobs of the 21st century?



Response: Yes

PA Teachers	44%
PA Parents	27%
PA High School Students	35%



(c) Project Tomorrow 2009

Slide #53



**What if you could design the
ultimate school**

**what technologies would have the
greatest impact on your learning?**

**Note: Many districts and states are using this
data to inform stimulus funding decisions**

(c) Project Tomorrow 2009

Slide #54

Audience Response:

What do PA students say is the #1 tech tool or service that will impact their learning?



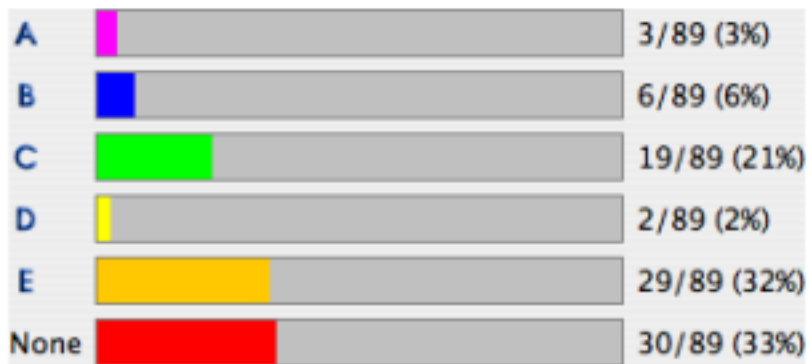
- a. Digital media tools for creating projects
- b. Games and virtual simulations
- c. Personal laptops for each student
- d. Student access to email and IM at school
- e. Using mobile devices like cellphones, MP3 players and PDAs



(c) Project Tomorrow 2009

10:48:28 AM

Poll Statistics



Slide #55

What do **students** say is the #1 tech tool
or service that will impact their learning?



**Students in Kindergarten thru 12th grade
say the same thing every year:**



(c) Project Tomorrow 2009

Slide #56

What do students say is the #1 tech tool
or service that will impact their learning?



Students in Kindergarten thru 12th grade
say the same thing every year:

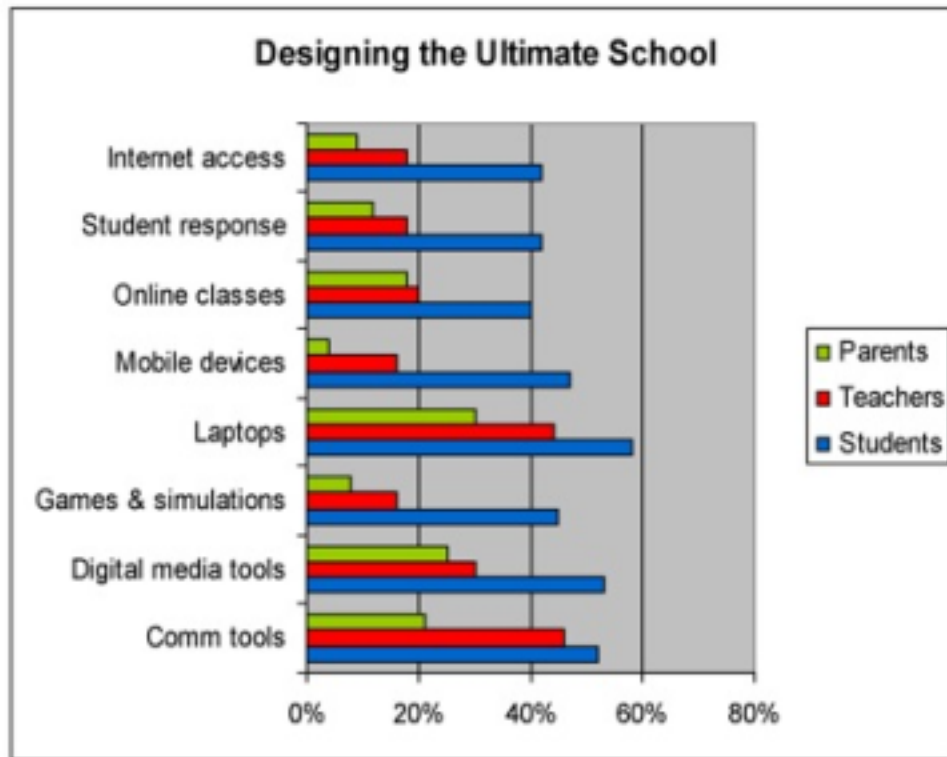
***“Give me a laptop for my personal use
at school and at home”***



(c) Project Tomorrow 2009

Slide #57

What if you could design the ultimate school?



(c) Project Tomorrow 2009

Speak Up Data Findings

Speak Up Data Findings



Key trends to watch:

- Continuing "digital disconnects"
- Spectrum of digital native-ness
- Multiple "computers" in the backpack
- Embracing & adapting new technologies
- Anytime, anyplace, anywhere, any pace learning
- Self directed learning for student & teacher



(c) Project Tomorrow 2009

Speak Up Data Findings

Speak Up Data Findings



Key trends to watch:

- Everyone is a content developer
- Make it relevant to me!
- Blend of informal & formal learning opps
- Beyond engagement to productivity benefits
- "Long tail" of training & education
- Here comes the Free Agent Learners!



(c) Project Tomorrow 2009

Slide #60

Release of the Speak Up National Findings



Student, Teacher, Parent & Administrator Data Findings – updated annually

National Data Release

- March 24
- Congressional Briefing
- Washington DC
- Top level findings available online
- Other reports to follow



(c) Project Tomorrow 2009

Slide #61

Special Speak Up 2008 Question



“Imagine you are the President and your #1 education goal is to make sure every student is prepared for the jobs and careers of the future. What is the one thing you would do to improve schools?”



(c) Project Tomorrow 2009

Slide #62

Special Speak Up 2008 Question



"Imagine you are the President and your #1 education goal is to make sure every student is prepared for the jobs and careers of the future. What is the one thing you would do to improve schools?"



**over 250,000 responses
from students nationwide!**

Stay tuned . . .

(c) Project Tomorrow 2009

Slide #63

More Speak Up? www.tomorrow.org

Reports such as:

Learning in the 21st Century: A National Report of Online Learning (Oct 2007, Updated Jun 2008)

*Inspiring the Next Generation of Innovators
Students, Teachers and Parents Speak Up about
Science Education (June 2008)*

*Leadership in the 21st Century:
The New Visionary Administrator
(October 2008)*



(c) Project Tomorrow 2009

Slide #64

If you have any questions about Speak Up,
please contact:

Julie Evans
Project Tomorrow
jevans@tomorrow.org
949-609-4660 x15



Copyright Project Tomorrow 2009.
This work is the intellectual property of the author. Permission is granted
for this material to be shared for non-commercial, educational purposes,
provided that this copyright statement appears on the reproduced
materials and notice is given that the copying is by permission of the
author. To disseminate otherwise or to republish requires written
permission from the author.

(c) Project Tomorrow 2009